Developmental Spelling: Linking Assessment & Intervention

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Goals For Today

- Provide guidance on developmental spelling assessments for students with significant cognitive disabilities
 - Where to find tests
 - How to administer tests
 - Alternatives to pencil & paper
 - How to score and analyze tests
- Suggest strategies for linking assessment and instruction
 - Voting to learn onsets
 - Wordo for onsets / rimes
 - Visual sorts to support rimes







What? • an individual student folder to follow the student across grades • provide clear picture of literacy growth • help team quickly access information (e.g., sample portfolio pieces, materials, strategies, and programs) Why? • provide seamless transition (needs, accomplishments) across grade levels •retain formal & informal assessment data to monitor progress •avoid wasting valuable time.

Highly Recommended Materials for Inclusion in Literacy Folder



- •Formal assessments (e.g., DIBELS Next)
- •Informal assessments (e.g., Bridge, Dev Spelling Test)
- •Portfolio pieces (e.g., writing samples; 1-minute writing checklist)
- Literacy Experiences Summary (describes literacy opportunities, interests, and challenges)
- ·Literacy Grade Level Expectations Chart

Quality Indicators for Literacy Access #1: Assessment

- · Standardized test materials
- · Alternate procedures for standard tests
- · Alternate tests and materials
- Data-based recommendations
- IEP team provided with clearly documented recommendations
- Alternate method for writing (as needed)

http://sda.doe.louisiana.gov/Site%20Pages/LiteracyView.aspx

Developmental Spelling Test

- Helps us understand what students know about the letter / sound system
- · Useful for charting progress across time
- Supports targeting instruction by learning what students know, and what is confusing to them

HOW Do We Test Developmental Spelling?

'Monster Test'

DEVELOPMENTAL SPELLING TEST SCORING CHART

Dr. J. Richard Gentry Professor of Elementary Education and Reading

Link at sda website

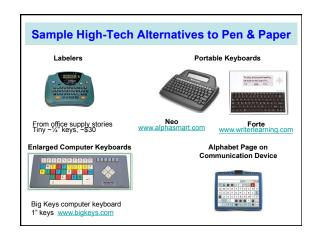
	SPELLING WORD LIST
ı. monster	The boy was eaten by a MONSTER.
2. united	You live in the UNITED States.
3. dress	The girl wore a new DRESS.
4. bottom	A big fish lives at the BOTTOM of the lake.
5. hiked	We HIKED to the top of the mountain.
6. human	Miss Piggy is not a HUMAN.
7. eagle	An EAGLE is a powerful bird.
8. closed	The little girl CLOSED the door.
9. bumped	The car BUMPED into the bus.
io. type	TYPE the letter on the typewriter.

How Will Students Respond?

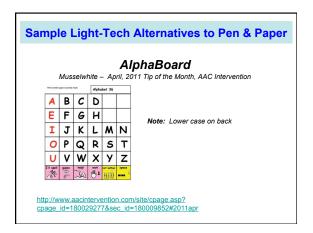
- · Ideally, students will write their answers
- However, most students with significant disabilities will not be able to write their answers

Should I go ahead and give a developmental spelling test, even for students who can't write and don't know the full alphabet?

YES!! This test gives valuable baseline information. Even if you don't get any scorable responses, that is useful pretest information!







Answer Sheet

- Ideally, students will write their answers, using the form shown
- However, if a student uses an alternate method for indicating letters, write the responses on the form and note the method used (e.g., labeler, AlphaBoard, Vantage alphabet page)



How Do We Score The Test?

- Use the scoring method provided on the Monster Test
- · Identify the developmental spelling stage
- Analyze answers to get a score this provides excellent pre-post data

Gentry's Developmental Spelling Stages

- PRECOMMUNICATIVE SPELLING is the "babbling" stage of spelling. Children use letters for writing words but the letters are strung together randomly. The letters in precommunicative spelling do not correspond to sounds. Examples: OPSPS = eagle; RTAT = eighty.
- SEMIPHONETIC SPELLERS know that letters represent sounds. They perceive and represent reliable sounds with letters in a type of telegraphic writing. Spellings are often abbreviated represent grid initial and/or final sound. Examples: E = eagle, a = eighty.
- PHONETIC SPELLERS spell words like they sound. The speller perceives and represents all of the phonemes in a word, though spellings may be unconventional. Examples: EGL = eagle; ATE = eighty.
- TRANSITIONAL SPELLERS think about how words appear visually, a visual memory of spelling
 patterns is apparent. Spellings exhibit conventions of English orthography like vowels in every
 syllable, e-marker and vowel digraph patterns, correctly spelled inflectional endings, and frequent
 English letter sequences. Examples: EGIL = eagle; EIGHTEE = eighty.
- CONVENTIONAL SPELLERS develop over years of word study and writing. Correct spelling can
 be categorized by instruction levels. For example, correct spelling for a corpus...words that can
 be spelled by the average fourth grader would be fourth grade level correct spelling. Place the
 word in this category if is listed correctly.

Gentry's Developmental Spelling Scoring

	WORDS	Precommunicative Stage	Semiphonetic Stage	Phonetic Stage	Transitional Stage	Conventional Stage
1.	monster	Random letters	mtr	mostr	monster	monster
2.	united	Random letters	u	unitd	younighted	united
3.	dress	Random letters	jrs	jras	dres	dress
4.	bottom	Random letters	bt	bodm	bottum	bottom
5.	hiked	Random letters	h	hikt	hicked	hiked
6.	human	Random letters	um	humm	humum	human
7.	eagle	Random letters	el	egl	egul	eagle
8.	closed	Random letters	kd	klosd	clossed	closed
9.	bumped	Random letters	b	bopt	bumpped	bumped
10	type	Random letters	tp	tip	tipe	type

Using Data to Drive Instruction

- Summative assessment . . . Is what we're doing moving the student forward on the literacy continuum?
- Developmental spelling tests can be an excellent way to assess progress
- This is why it is crucial to get a pretest, even if you think 'they can't do it'!

Developmental Spelling Ivette

Target Word	1/08		5/08	
Back		(Attempted		bab
Sink		but became		sc
Mail		too frustrated)	ma	
Dress				arz
Lake				pzx
Peeked		(she wanted to stop)		
Light				
Dragon				
Stick				
Side				
Feet				
Test				

Note: give the pretest, even if they can't do it!!!
That document a starting level. And may show the amazing progress that your students make **using** the alphabet!

Student Name	Devel Spelli	lopmenta ing	ı	
	60pts	possible	ATT=Attempted	Due De et
	Pre	Post	-	Pre-Post
Gilberto	34	39	5	Testing:
Jonathon	17.5	24	6.5	Ť
Ivette	Att.	11	11	Showing
Bronson	12	20	8	Progress
Jancy	21	31	10	†
Edwin	12	28	16	†
Treveon	22	28	6	Ť
Tom	18	30	12	†
Stasha	5	29	24	†
Kate	Att.	Att.	0	†
Luis	Att.	Att.	0	†
н.	Att.	Att.	0	†

Try It! Now, or As Homework

- · Let's try administering the Monster Test
- Work in groups of 6 8
- 1 person is teacher
- 1 person is student
- · Get light or high tech alphabets
- If you don't have an alphabet, you're a writer ☺
- Give the test just the first 5 words

How Do We USE the Results of Developmental Spelling Tests?

Formative Assessments

Formative Assessment is part of the instructional process. When incorporated into classroom practice, it provides the information needed to adjust teaching and learning while they are happening. In this sense, formative assessment informs both teachers and students about student understanding at a point when timely adjustments can be made. These adjustments help to ensure students achieve, targeted standards-based learning goals within a set time frame.

• Garrison & Ehringhaus Association for Middle Level Education

	Developmental Spelling Tom	
Target Word	1/08	5/08
Back	SPR	dc
Sink	RPIS	sc
Mail	JIPS	MO
Dress	MOM DOR	55
Lake	KORP	NC
Peeked	POP	PC
Light	IJOR	nbT
Dragon	JOR	Jg
Stick	KOMO	sc
Side	IJRB	Sit
Feet	ROOPI	**
Test	SOSIO	tt

1	Developmental Spelli Tom	ng	What Does Tom
Target Word	1/08	5/08	Know About The
Back	SPR	dc	Alphabetic
Sink	RPIS	sc	•
Mail	JIPS	MO	Principle?
Dress	MOM DOR	55	
Lake	KORP	NC	
Peeked	POP	PC	
Light	IJOR	nbT	
Dragon	JOR	Jg	
Stick	KOMO	sc	
Side	IJRB	Sit	
Feet	ROOPI	***	
Test	SOSIO	++	
Pretest?		Postte	est?
	are upper case 3 – 5 letters = I & O	Initial sound Many final s	be upper or lower cas is often correct counds represented bout vowels!

Developmental Spelling Test Ryan, age 13 (Using alphabet page on device) Target Word 8/25/10 5/18/11 back bcb fgh sink mail 0 (zero) amt dress ser lake peeked pkl light dragon dry stick g sdicg side swq feet fey sdk test Total Score 22

DST Worksheet

Tease out information!

Musselwhite has developed a worksheet to pull out additional information.

Measure	Pre	Post	Comments
Raw Score			
% Initial Sounds Phonetically correct			
% Final Sounds Phonetically Correct			
% Vowels Represented			
% Vowels Correct		0	
% Blends Represented			

TRY IT: Discuss additional information you could pull out of the **Developmental Spelling Tests**

DST Worksheet: Ryan

Student: Ryan Teacher: XXXXX Date: 8/25/10 - 5/18/11
Developmental Spelling Test Used: Dev Spelling Task: Back / Test
Notes: Used alphabet page on Vantage communication device

Measure	Pre	Post	Comments
Raw Score	8	22	Pre: total guessing, often guessing numbers
% Initial Sounds Phonetically correct	0%	43%	
% Final Sounds Phonetically Correct	0%	8%	is
% Vowels Represented	0%	58%	
% Vowels Correct	0%	8%	93
% Blends Represented	0%	33%	Note: 3 blends on test

Summary: Ryan has made huge progress. On pre-test, he guessed randomly, choosing both numbers and letters. On post-test, he:

- used only letters (no numbers)
- represented each word with 2 5 letters
- · included vowels on more than half of his words
- · correctly represented almost half of initial consonants

 $\label{lem:Recommendations: Continue writing activities that require Ryan} Recommendations: Continue writing activities that require Ryan activities activities$ to sound out words, such as voting by letter. Play lots of wordo games ('my word starts with G' or 'my word starts with /g/'). Encourage him to scribble often, and give feedback on correct letters. Continue supporting him on the 'vowel rule', reminding him that every word has

Insta-Charting:

Initial Sounds (Onsets)

Rigor: From Symbol Writing to Writing with the Alphabet

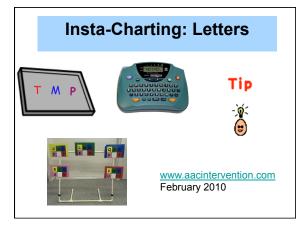
- Writing every day; beyond errorless!!
- · Writing for authentic purposes
- Using alternative pencils, keyboards, whiteboards, etc.

Percenties	pager in portrait	-	Alpha	bet 36	
A	В	С	D		
Е	F	G	Н		
I	J	Κ	L	M	N
0	Р	Q	R	s	Т
U	٧	w	×	У	z
TI spall	guitt (H)	Ž.	illy 1	1111	space .



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Choice board w/ 3 symbols



Insta-Charting: Letters

Sample Activities:

Recess: walk or gym (w / g)
 Book: read about hurricanes or tornadoes (h / t)

• Snack: bananas or apples (b / a)

Lunch: pizza or burgersCooking: pudding or shakeGuest: principal or nurse

· Video: cats or dogs

Insta-Charting: Letters

Try It! Think of 5 times YOU would have students vote with letters for a REAL purpose!

Insta-Charting: How

Tips

- Use photos without text students pick what they want (pointing, eye gaze, partner scanning)
 - (e.g., burrito vs. pizza)
- 2) Eat the elephant in small bites limited letters from the full alphabet
 - (e.g., AlphaBoard with cover up; 1 line of the alphabet flip chart; 5 letters on computer or device keyboard)

AlphaBoard Sample



- AlphaBoard with cover-up; student chose picture of 'pizza' – now trying to find the letter that starts pizza
- Use 'evaluative feedback'
 Student points to S; partner says
- 'That would be 'sizza'. We're looking for 'pizza' <pause>
- -Student points to P; partner says -'/p/ pizza' yes, we need a P for pizza!
- Tip: April, 2011 <u>www.aacintervention.com</u>

Developmental Spelling Assessment Worksheet

Student: Miguel Teacher: Date: 9/2/10 - 5/3/11 Developmental Spelling Test Used: Dev Spelling Task: Back / Test Notes: pen & pencil on scoresheet

Measure	Pre	Post	Comments
Raw Score	0	23	
% Initial Sounds Phonetically correct	0%	83%	
% Final Sounds Phonetically Correct	0%	33%	Post: attempted most final sounds
% Vowels Represented	0%	100%	Clearly learning the 'vowel rule'
% Vowels Correct	0%	42%	
\$ Blends Represented	0%	33%	Note: 3 blends in test

Insta-Charting



Let's Vote!!

Use the AlphaBoard or an Alternative Pencil to vote on which animal you want for:

- reading a story
- writing a story

QUOTABLE QUOTE

The day after you did the voting activity in my class, I had an IEP. I added a goal that Destiny would use the **ALPHABET** to write, not just symbols!

> Kim, wonderful middle school teacher with 20 years experience

Wordo!

can	from	my
with	see	little
this	very	get

Tip: Use Cheerios!



Focus on Onsets:

- · My word starts with C
- My word starts with /k/

Developmental Spelling Test Used: Dev Spelling Task: Back / Test Notes: Used alpha board pre & post

______ _ Date: 8/25/10 - 5/17/11

Measure	Pre	Post	Comments
Raw Score	20	31	
% Initial Sounds Phonetically correct	58%	83%	
% Final Sounds Phonetically Correct	0%	58%	
% Vowels Represented	8%	50%	Clearly learning the 'vowel rule'
% Vowels Correct	0%	25%	(1) (m) (k) ((((((((((((((((((((((((((((((
% Blends Represented	0%	33%	Note: 3 blends in test

Developmental Spelling Level:

Pre: Early semiphonetic Post: Phonetic

 $\begin{tabular}{ll} Summary: & Destiny now hears most initial sounds and many final \\ \end{tabular}$ sounds; she's beginning to attempt vowels, but rarely hears blends.

Recommendations: Continue focus on word endings; time for more onset + rime activities; remind her to put a vowel in every word; use the vowel line on the alpha chart

AlphaBoard - Focus on Vowels



Begin to focus on vowels

- Vowel Rule every word has one
- AlphaBoard cover-up might help some students!

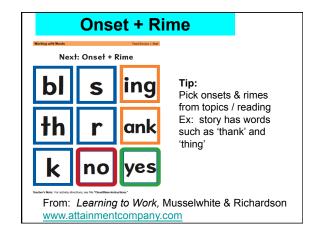
Visual Word Sorts

Visual word sorts emphasize the orthographic processor.



- Step 1: Select two key words the student knows that have a common spelling pattern (at - pick)
- · Step 2: Make sure student can read the two key words.
- Step 3: Show student a word that has the same spelling pattern as one of the key words.
- Step 4: Ask the student to indicate which key word has the same spelling pattern as the new word. Compare/Contrast the two words.

Slide from Dr. Gretchen Hanser



Wordo: Focus on Rimes

Wordo: PETS A				
you	are	my		
bad	FREE	ate		
did	good	dog		

Focus on Rimes:

- My word rhymes with 'sad'
- · My word ends like 'hog'
- Remember: use evaluative feedback!

"The brain is a pattern detector, not a rule applier!"

Pat Cunningham

Iry This: Discuss This – what does she know pre/post				
What would be some appropriate interventions?				
Developmental Spelling				
T				

Jancy				
Back	satest	bat		
Sink	caotba	sek		
Mail	lerttopw	letter mal		
Dress	abertop	drss		
Lake	liopamcw	lkiao		
Peeked	piolabu	pilaer		
Light	on .	lamp		
Dragon	dartlil	daertop		
Stick	ilopamy	saertop		
Side	Matiopah	sacopil		
Feet	big fgiopz	feropil		
Test	amiolpy	seropamn		

•	nis – what does she kn appropriate intervent	
Developme	ntal Spelling: Stasha	
Target Word	1/08	5/08
Back	ba	bat
Sink	k	kat
Mail	NR no response/attempt	mlm
Dress	NR	dod
Lake	NR	log
Peeked	NR	pln
Light	NR	lml
Dragon	NR	dak
Stick	NR	kas
Side	NR	daz
Feet	NR	fax
Test	NR	tnv

Action Plan

Outcome: Many students will take a Developmental Spelling Test. Results will be used to drive IEP writing and to tweak intervention.

Where to begin:

- Try the developmental spelling test with at least 3 students
 Use the DST Worksheet to try to tease out more information
- Pick at least one of the sample intervention activities to try
 Have a Make It / Take It to create alternative pencils
- Other ideas?